Form C-104 Rev. 02/2009

# VALUE ENGINEERING CHANGE PROPOSAL MISSOURI DEPARTMENT OF TRANSPORTATION

🔀 Conceptual Proposal 🔲 Final Proposal	<b>Date</b> 8-23-11										
Contract ID110527-804	Job No. J8I2358										
County Greene T-44											
Contractor Leo Journagan Construction Co.,	Original Bid Cost 1,144,606.08										
Lan	By Dale Popejoy										
Designed By Contractor	Phone 417-869-7222										
VECP# 11-62 (to be completed by C.O.)	VECP or PDVECP										
1. Description of existing requirements and proposed change(s). Advantages/Disadvantages  The existing outside 10' shoulder is an existing full depth asphalt shoulder. The construction improvements for this project included removing this shoulder and replacing with Pavement Edge Drain, 4" Type 5 Aggregate, and a A2 Shoulder with Erosion Control and reseeding the disturbed soil. Due to satifactory integrity of the existing 10' outside shoulder we propose to leave the existing shoulder in place and deleting the proposed construction. A 1" BP-2 PG 64-22 Asphalt overlay will be installed on the existing shoulder and Aggregate Drains installed in the areas as field determined.  The proposed Full Depth Concrete Pavement repair will be performed by MoDot.											
2. Estimate of reduction in construction costs.	430,095.59 (See attached sheet)										
<ol> <li>Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.         The existing outside 10' shoulder with the added Aggregate Drains and new overlay will provide shoulder that will function the same as the existing shoulders adjacent to each end of this project.     </li> <li>Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.</li> </ol>											
Included with proposal 8-23-11 (date)											
5. Deadline for issuing a change order to obtain maxi contract completion time or delivery schedule.	mum cost reduction, noting the effect of										
8-26-11 No adverse ef	fect to complete job										
(date)	(effect)										
6. Dates of any previous or concurrent submission of	, ,										
N/A											
(date and/or dates)											

Additional Comments:

Aggregated Drains were estimated the same as the inside shoulder, plus 6 additional drains in the 1000' low area on the 10' shoulder. The tonnage for the BP-2, 1" overlay on the 10' outside shoulder was determined by proportioning the tonnage for the inside 6' shoulder to a 10' width.

This PDVECP would pay to the Leo Journagan Construction Co., Inc. 25% of the net savings of \$430,095.59, equal to \$107,523.90, and savings to MoDot 75%, equal to \$322,571.69.

\*\* Portion Below This Line To Be Filled Out by MoDOT \*\*

Comments:  THIS VE PROPUSA - APPEARS TO BE FEASIBLE AND MEETS THE INTERPOSION VE. I DO NOT BELIEVE THAT THIS VE COMPROMISE.  PROVIDED THE TAX PAYERS A GREAT PRODUCT WITH COST SAVINGS.  APPROVAL OF THIS VE.  SUBmitted by Resident Engineer	5 QUALTY AND
Comments:  I concur	
Approval Recommended  Rejection Recommended  District Engineer	8-26-11 Date
Comments: NOT FEDRING OMNS161	47
Approval	
Recommended  Rejection Recommended  Required for FHWA Full Oversight Projects	Date
Comments: SEE ATTACHED CORRESPONDENCE,	
Digitally signed by Dennis Bryant DN: cn=Dennis Bryant, o=MoDOT, ou=3H35, email=dennis.bryant@modot.ma.gov, c=US Date: 2011.09.01 13:15:02-05'00'	
Rejection State Construction and Materials Engineer	Date ·

Distribution:

Resident Engineer, Project Manager, District Construction & Materials Engineer, State Construction & Materials Engineer, FHWA Value Engineering Administrator - MoDOT, P. O. Box 270, Jefferson City, MO 65102



#### Re: Value Engineering Change Proposal - J8l2358/Greene



09/01/2011 01:10 PM

Dennis G Bryant to: Steven V Campbell Cc: Johnny L Teegardin, Marilyn M Gabriel

After talking to Johnny I have a better understanding of what you want to do here. I'm okay with using the aggregate drains instead of the pipe drains as long as you put them in at the proper spacing. I'm also okay with overlaying those sections of shoulder that are in good shape as long as you make appropriate repairs to any areas that are not in good shape. In addition I'm not convinced that your thicknesses add up with regard to the mill and fill, but I think you can work that out on the field.

With that in mind I'm going to go ahead and approve the proposal conceptually as a practical design VE with the understanding that the details will be worked out later and that the savings will be based on actual costs.

You should get an official notification from Tina next week but I wanted to give you the okay to proceed.

If you have any questions give me a call.

Deidre K Berry Dan Salisbury/Steve Campbell asked that I send... 08/26/2011 02:17:44 PM

From:

Deidre K Berry/D8/MODOT

To:

Dennis G Bryant/SC/MODOT@MODOT

Cc:

Johnny L Teegardin/D8/MODOT@MODOT, Marilyn M Gabriel/D7/MODOT@MODOT

Date:

08/26/2011 02:17 PM

Subject:

Value Engineering Change Proposal - J8I2358/Greene

Dan Salisbury/Steve Campbell asked that I send this to you.



document2011-08-26-134359.pdf

Deidre Berry Executive Assistant Southwest District (417)895-7684 deidre.berry@modot.mo.gov

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Amount	\$39,462.15	\$14.49 \$158,581.46 \$4.88 \$47,575.12	\$29,826.28	\$0.33	\$3,542.50	\$2,242.27	\$2.78	65	\$1,957.57 × 3489,000.74	\$38,934.00 519.971.15 578.905.15
Unit Price	\$404.74	\$14.49 \$4.88	\$677.87	\$0.01	\$3,25 \$9,85	\$0.23	\$1.74	\$2.28	19.0 EA \$103.03 \$1,957.57 Subtotal Deleted Amount = \$489,000.74	37.5 TON \$49.44 33.0 LF \$31.55 Subtotal Added Amount =
Units	STA SY	SY LF	S S S E A	S .	뮤	<u></u>	₹ \;	ij	EA al Delete	TON LF ıtal Addec
Quantity	-	9,7	333.3	7	700.0	9,749.0	69.0	5,016.0	19.0 Subtot	787.5 633.0 Subto
Description	Linear Grading Class 1  Type 5 Aggregate for Base 4"	Pipe Aggregate Pavement Edge Drain Outlet Pines and Schools near	10 Furnishing & Placing Concrete FDPR 12 Subgrade Compaction 6" FDPR	Type 1 Aggregate Base 4" FDPR FDPR Saw Cut	Dowell Bar for FDPR	8051000A Seeding-Cool Season Mixtures	Sediment Removal	Silt Fence Tybe 1 Difch Check		4011211 Bituminous Pavement BP-1 PG 64-22 6059903 Aggregate Drains
Line Item I.D. No. Items to be Deleted	207100 3040504 4010150	6053030A 6054020	6131010 6131012	6131013 6131014	6131015	8051000A	8061016			4011211   6059903 /
Line Item Items to b	. 10 15 20		120 130	140 150	160	370	380	400	Items to be Added	30 100

Net Change in Work = \$430,095.59 \sum\_

HERE.

# VALUE ENGINEERING CHECK SHEET

## TYPE OF WORK

(Check one that applies)

- □ Bridge/Structure/Footings
- □ Drainage Structures (RCP, RCB, CMP's, ect.)
- □ TCP/MOT
- X Paving (PCCP, ect.)
- □ Grading/MSE Walls
- □ Signal/Lighting/ITS
- □ Misc. \_\_\_\_

## SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

Use aggregate drains in lieu of pavement edge drains and overlay existing shoulders in lieu of	
econstructing.	-
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### SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.

 Scan e	ntire	docun	nent.							
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